Kidde

Rising mains

A rising main is a system of pipe work and valves that enables water to be delivered for fire fighting purposes to all floors in buildings over 18 metres high. It consists of a vertical pipe with landing valves fitted in cabinets on each floor that act as outlets, enabling the fire service to connect into the water supply.

A dry riser system can be charged with water by pumping from a fire service appliance via an inlet breeching fitted in a cabinet on the outside of the building at ground level. An air release valve is fitted at the highest point to enable the riser to be fully charged.

Rising mains

A wet riser system is a pipe kept permanently charged with water that is immediately available for use on any floor on which a landing valve is provided. Wet risers are necessary for buildings over 60 metres high where fire service pumps cannot supply the necessary water pressure via a dry riser. When pumps and tanks are installed to provide sufficient water pressures then there may be a requirement for pressure regulating valves.

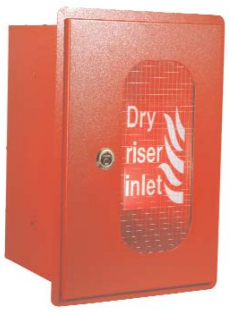
Twin inlet breeching

Kidde inlet breechings are manufactured to BS 5041-3. Inlets 65 mm (2½") male instantaneous to BS 336 with integral non-return valves, 25 mm (1") drain valve, and rubber blank caps and chains.

- Suitable for use with a 100 mm (4") rising main
- SG Iron body with Gunmetal fittings
- Flanged outlets either 100 mm BS 4504 NP 16 or 4" BS 10 Table D
- Vertical or horizontal mounting

Twin inlet cabinets

- Recessed into the external wall of the building
- High quality steel for strength and durability
- Wired glass door panel and cylinder lock
- Attractive red polyester coated finish
- Cabinets for single inlet breechings and foam inlets available on request



Quadruple inlet breeching

- Suitable for use with a 150 mm (6") rising main
- Spheroidal graphite body
- Flanged outlets either 150 mm BS 4504 NP 16 or 6" BS 10 Table D

Dry rising mains

Quadruple inlet cabinet

- Recessed into the external wall of the building
- High quality steel for strength and durability
- Wired glass door panel and cylinder lock
- Attractive red polyester coated finish

Landing valve

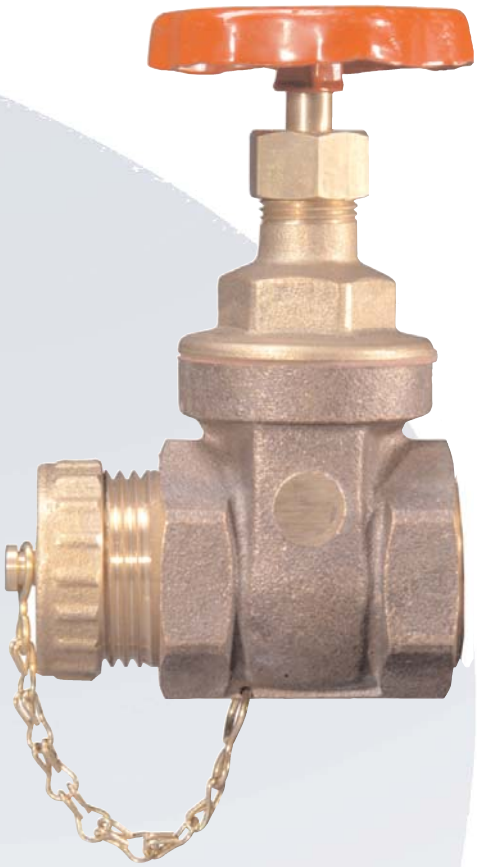
- Gate pattern outlet valve manufactured to BS 5041-2 in Gunmetal
- Body and internals designed for low working pressure
- Compact with excellent flow characteristics
- Flanged inlets either 65 mm BS 4504 NP 16 or 2½" BS10 Table D
- Outlet 2½" female instantaneous to BS 336
- Straps and padlocks, blank plugs and chains are provided

Air release valve

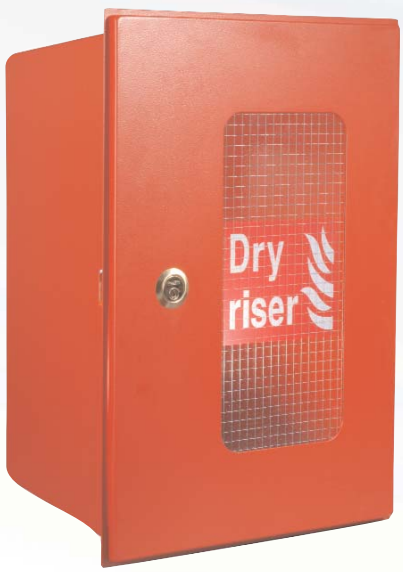
- Provides automatic release of air from a dry riser when it is being charged with water, and admission of air when it is being drained
- Inlet connection 1" male BSP to BS 2779

Drain valve

- Fitted at the lowest point of a dry riser in cases where parts of the system are installed below the inlet breeching
- 25 mm (1") drain valve to BS 5154

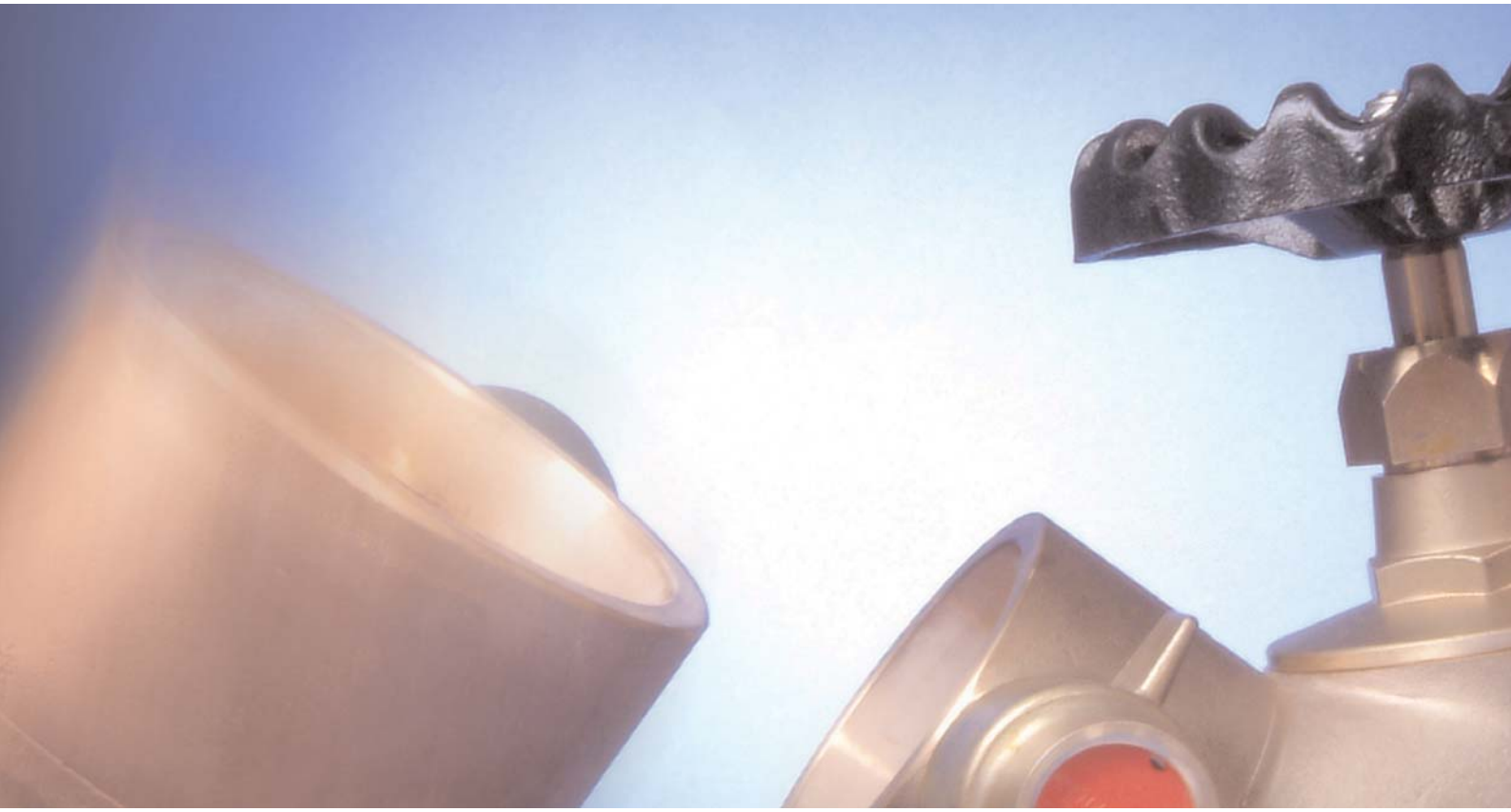


Dry rising mains



Outlet cabinet

- High quality steel for strength and durability
- Painted steel box with a door with a breakable wired glass panel and cylinder lock



Landings valves

- Globe pattern valves available in horizontal, oblique, bib-nose or right-angle configurations
- Manufactured to BS 5041-1 and BS 5154 with Gunmetal bodies and major working parts in manganese bronze
- Body and internals designed for low working pressure
- Compact with excellent flow characteristics
- Flanged inlets either 65 mm BS 4504 NP 16 or 2½" BS10 Table D
- Outlets 2½" female instantaneous to BS 336

1 Horizontal valve
2 Oblique valve
3 Bib-nosed valve
4 Right-angle valve


1


2


3


4

Wet rising mains

Pressure regulating valves

- Ensure uniform downstream pressure regardless of fluctuation in supply pressure
- Rapid response to varying downstream conditions
- Manufactured to BS 5041-1 in Gunmetal
- Horizontal, oblique, bib-nose or right-angle configurations available
- Inlet pressure up to 20 bar

5 Horizontal PRV
6 Oblique PRV
7 Bib-nosed PRV
8 Right-angle PRV

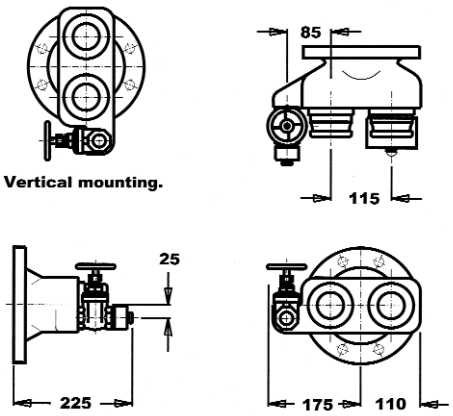
5

6

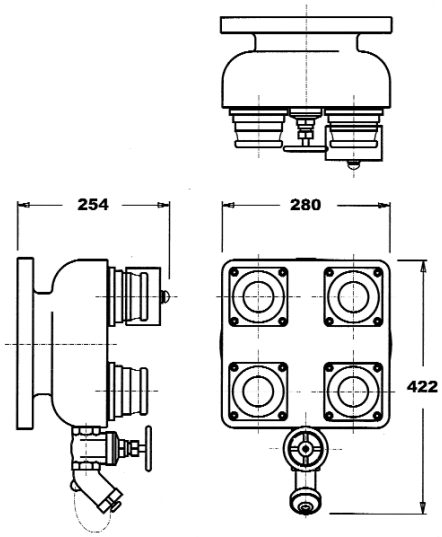
7

8

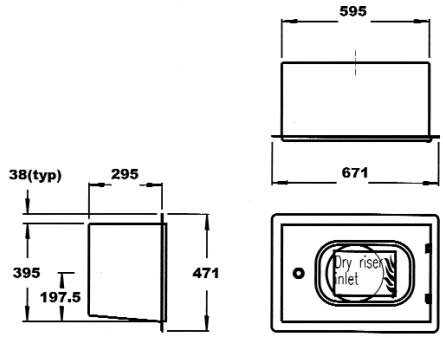
Twin inlet breeching



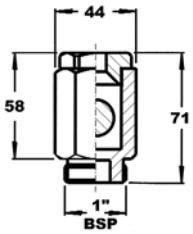
Quadruple inlet breeching



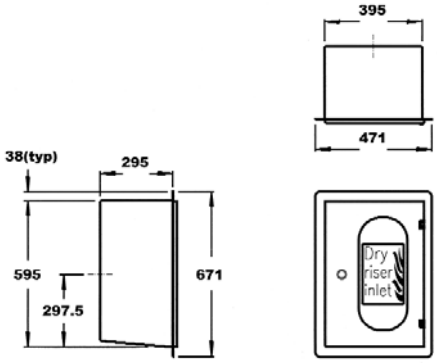
Horizontal twin inlet cabinet



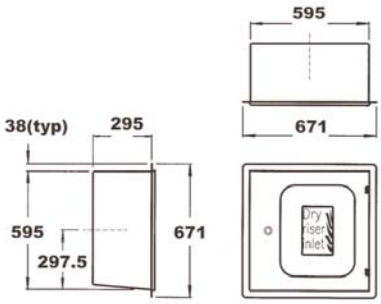
Air release valve



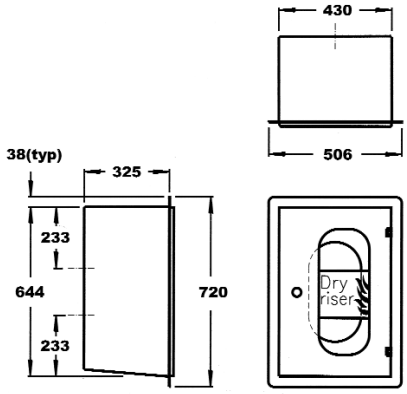
Vertical twin inlet cabinet



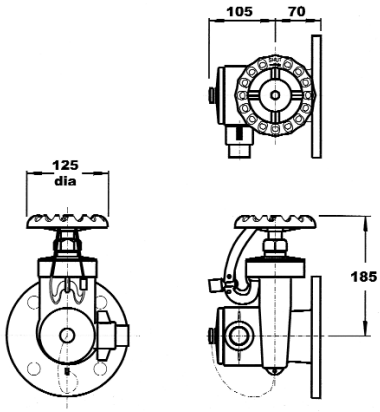
Quadruple inlet cabinet



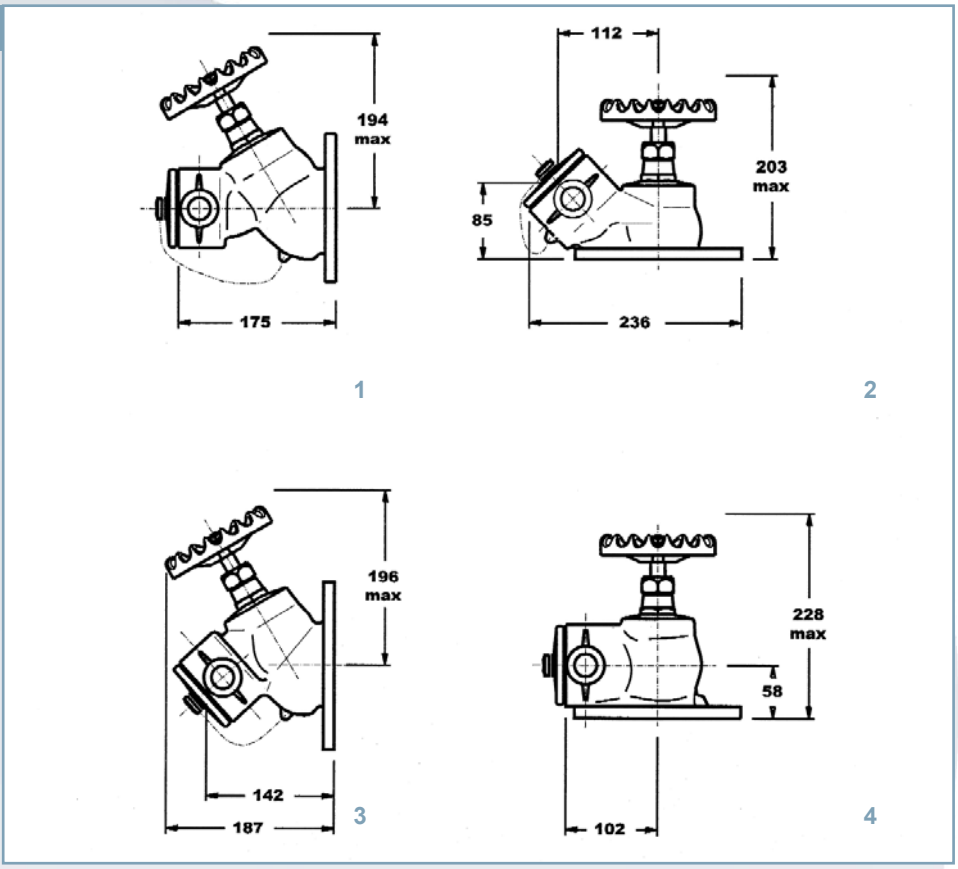
Outlet cabinet



Landing valve



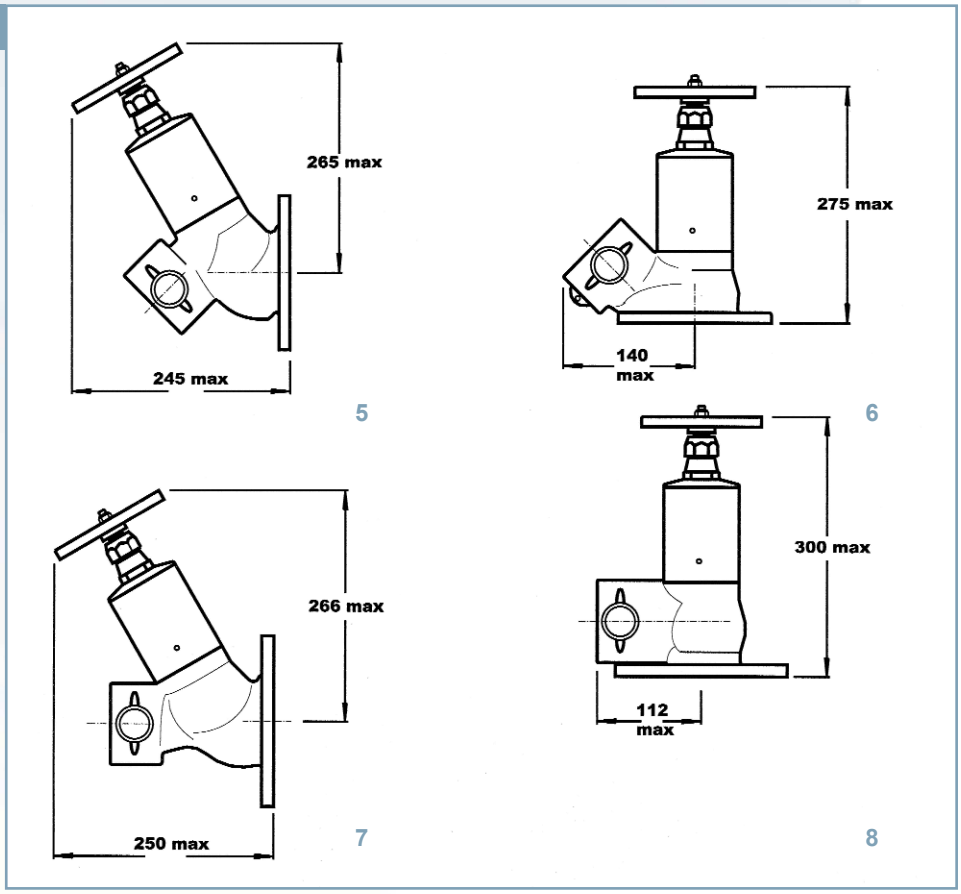
Landing valves



1 *Horizontal valve*
2 *Oblique valve*
3 *Bib-nosed valve*
4 *Right-angle valve*

Technical data

Pressure release valves



5 *Horizontal PRV*
6 *Oblique PRV*
7 *Bib-nosed PRV*
8 *Right-angle PRV*

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